

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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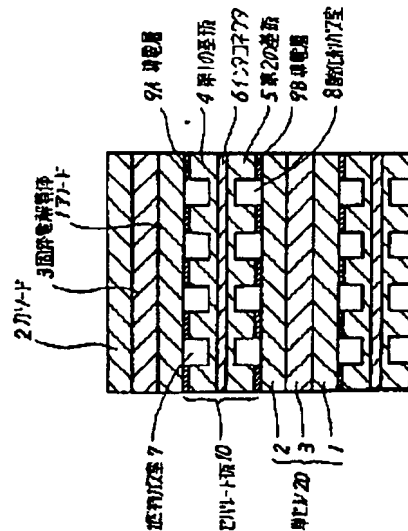
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APPLICANT : FUJI ELECTRIC CO LTD;

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TITLE : SOLID ELECTROLYTE TYPE FUEL CELL



**ABSTRACT :** **PURPOSE:** To provide a cell excellent in characteristics where loss in resistance is low by providing each conductive layer among cell components to be polymerized, polymerizing one member to be polymerized, in this case, via a thin layer, and thereby lessening contact resistance among the cell components.

**CONSTITUTION:** When single cells 20 are polymerized with a first substrate 4, the single cells 20 are formed into one while being piled up onto the first substrate 4 via a conductive layer 9A thereafter. The first substrate 4 directly forms an interconnector 6 so as to be polymerized with the second substrate 5 to which the interconnector 6 is laminated. This polymerization is reacted via the interconnector 6. In the case of polymerization, if the interconnector 6 is so thin that no polishing can be done, the polymerization is reacted via a conductive layer 9B. When the second substrate 5 is polymerized with the single cells 20, the conductive layer 9B has to be provided by all means. In this case, the conductive layer allows contact resistance among polymerized cell components to be reduced. By this constitution, a solid electrolyte type fuel cell can thereby be provided, which is excellent in characteristics where the loss in resistance of the cell is low.

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